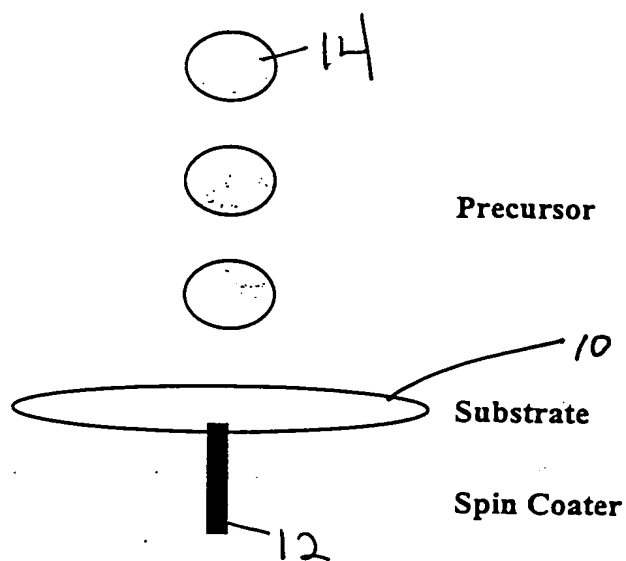


Film Preparation

Deposition



Spin Coating

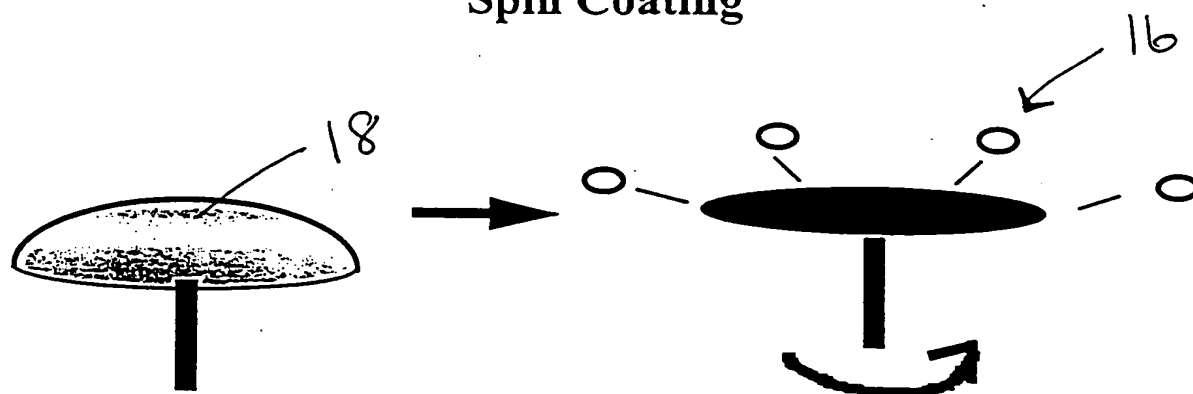


FIGURE 1

Solution Preparation

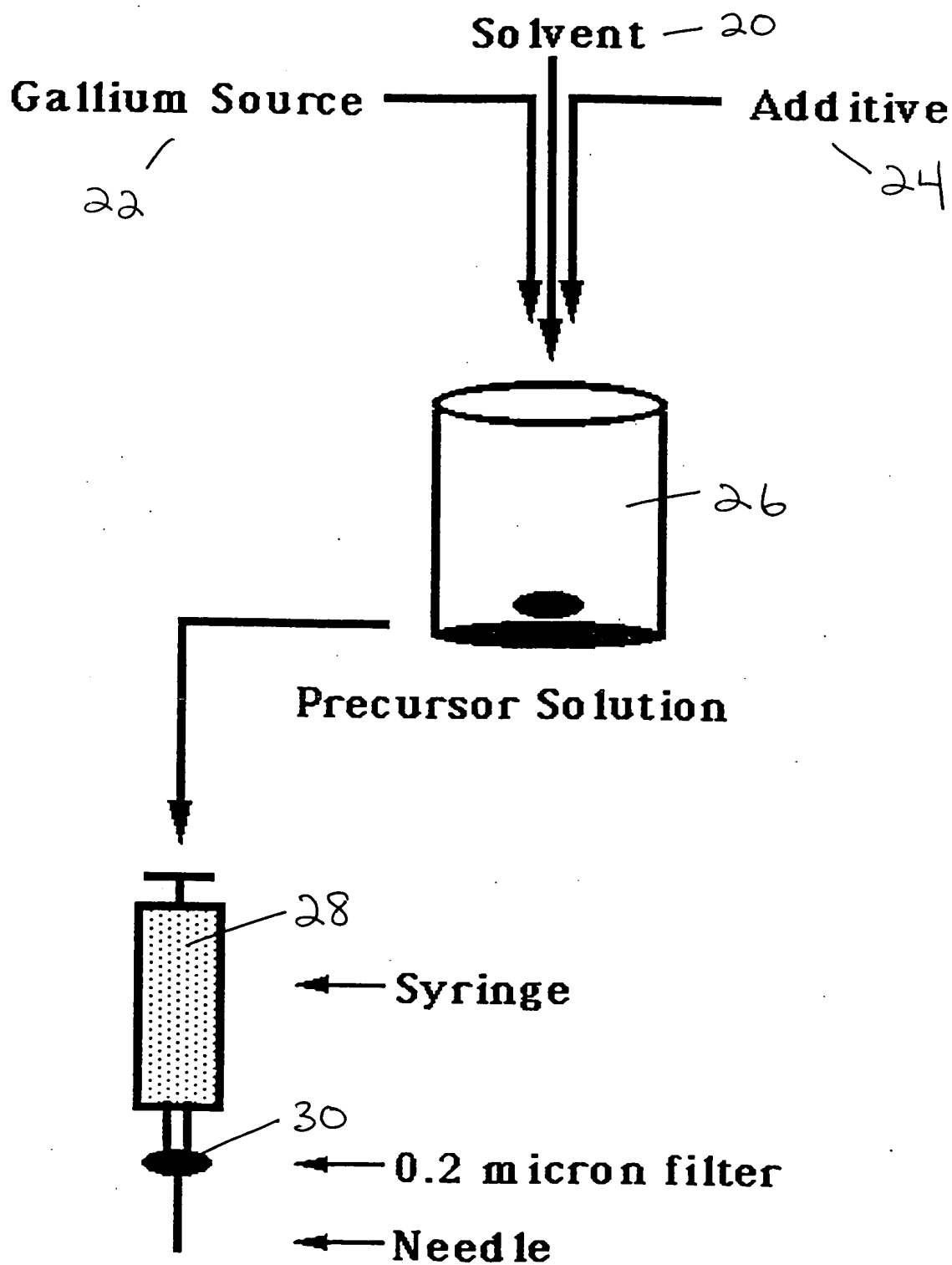
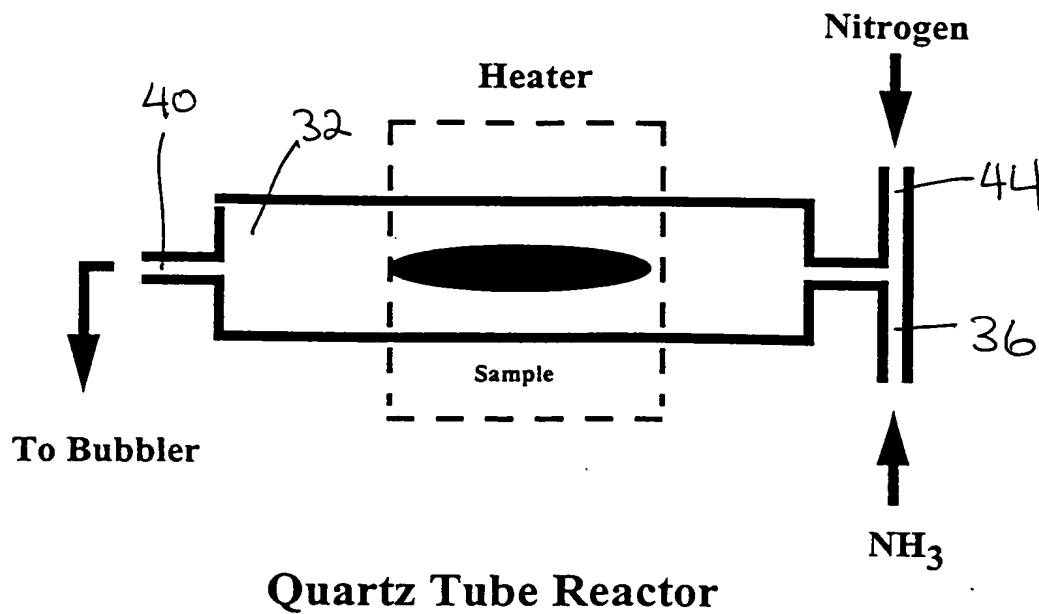


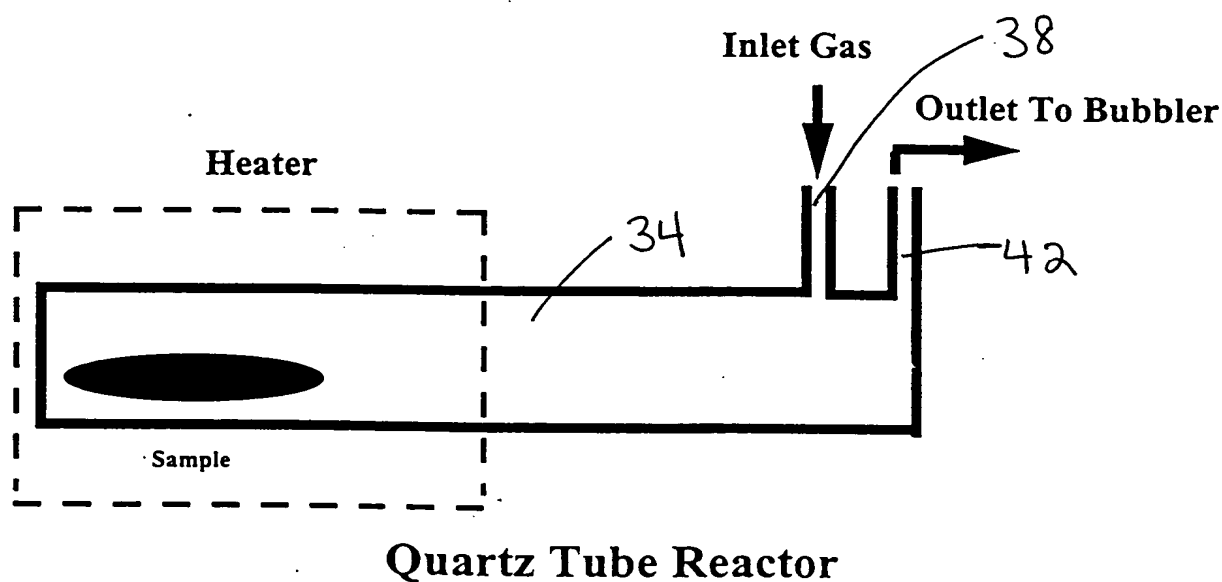
FIGURE 2

Flow Through Reaction Tube



A

Schlenk Reaction Tube



B

FIGURE 3

Mass Spectrometer Experiment

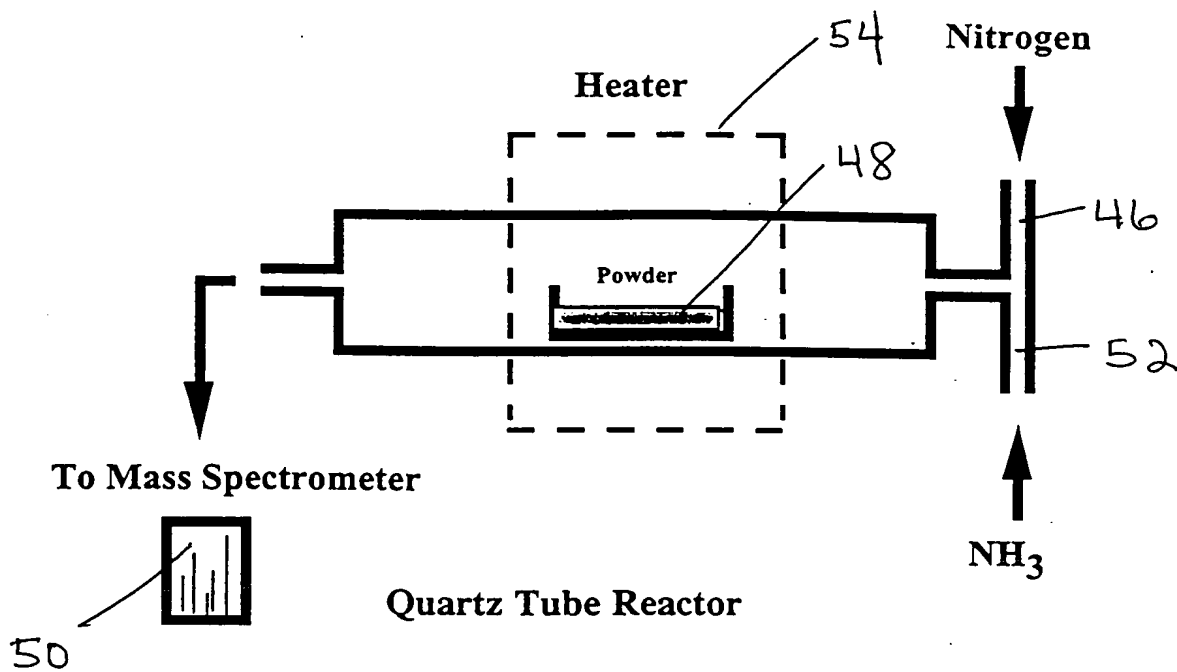


FIGURE 4

(C-plane) Al₂O₃ Substrate

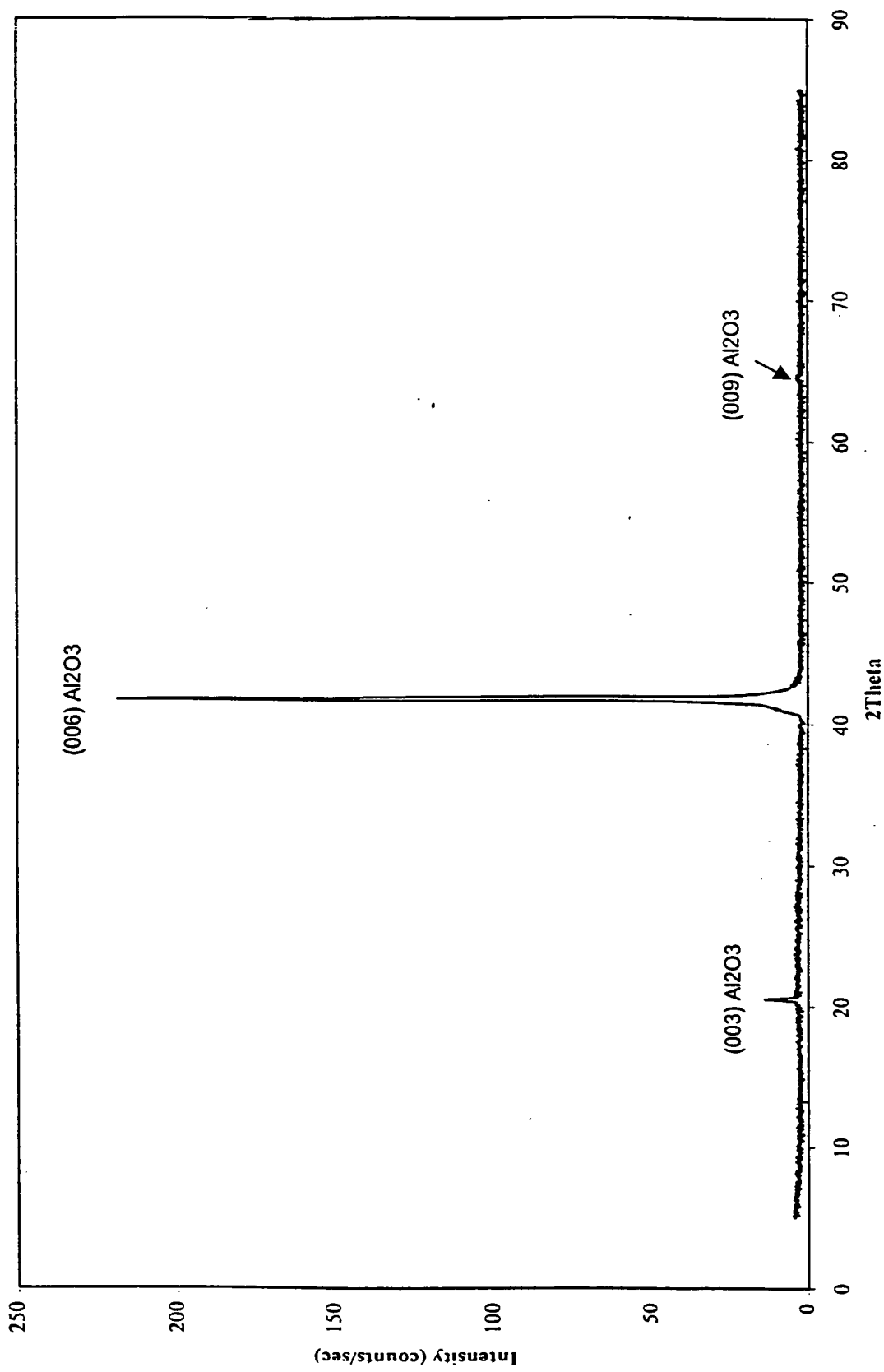


FIGURE 5A

Figure 5B

GaN from GDA, 1000C

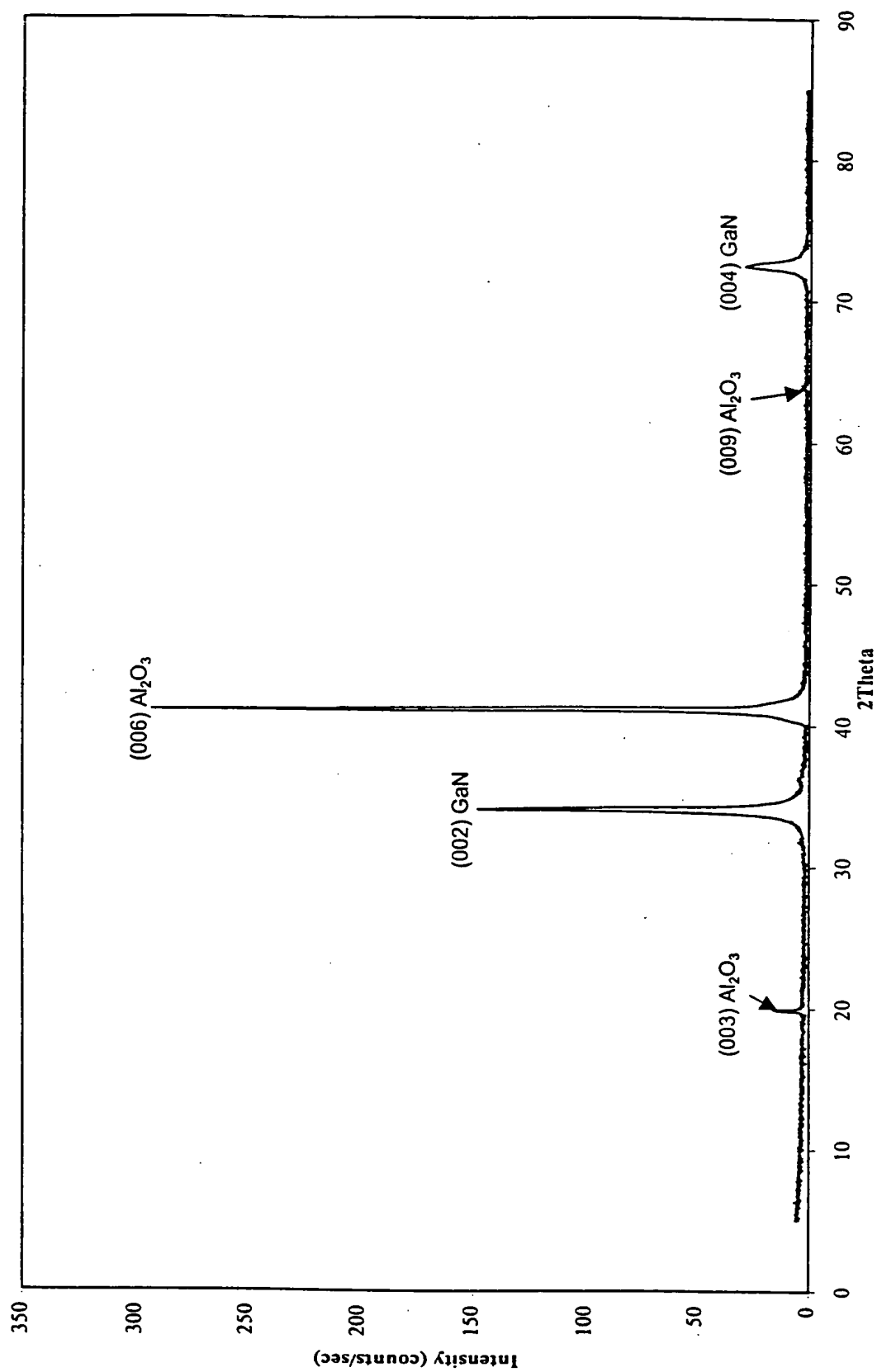


FIGURE 5B

Off-Axis Phi Scan, GaN on Al2O3

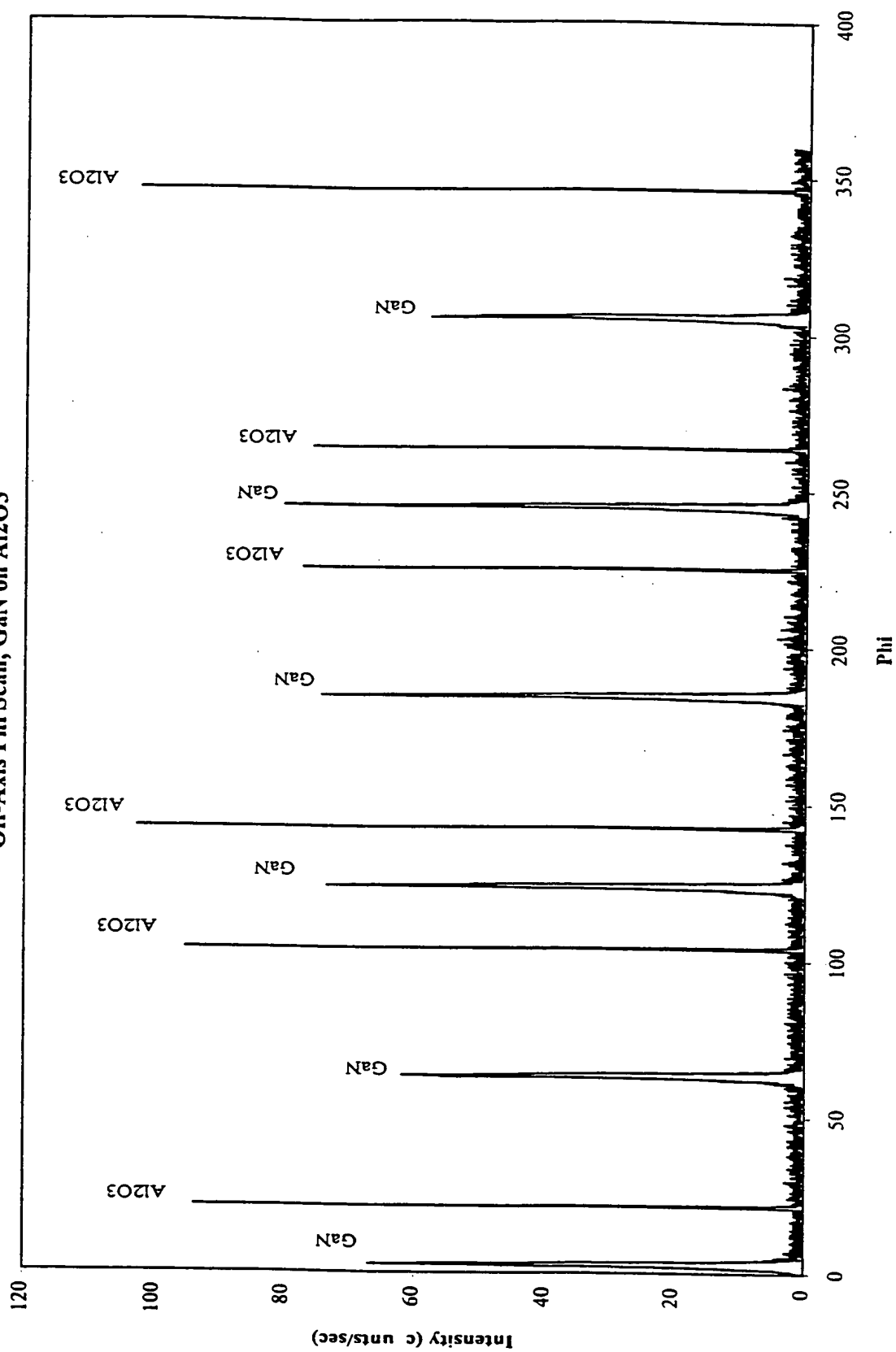


FIGURE 6

TOPZT 69550550

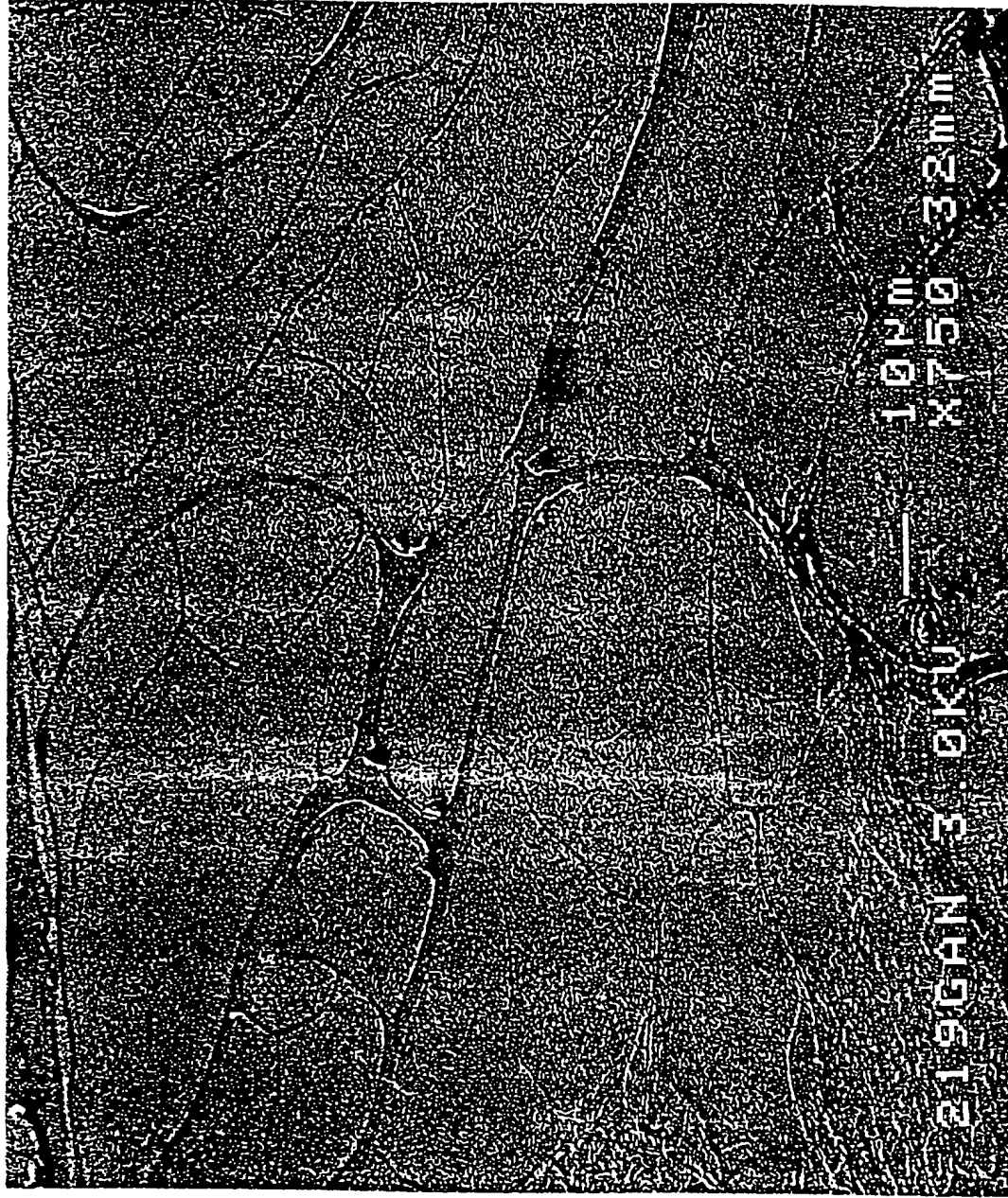


FIGURE 7

220GAK 3 0KV — 10µm X1,000 11mm

FIGURE 8

FOOT " 6000000

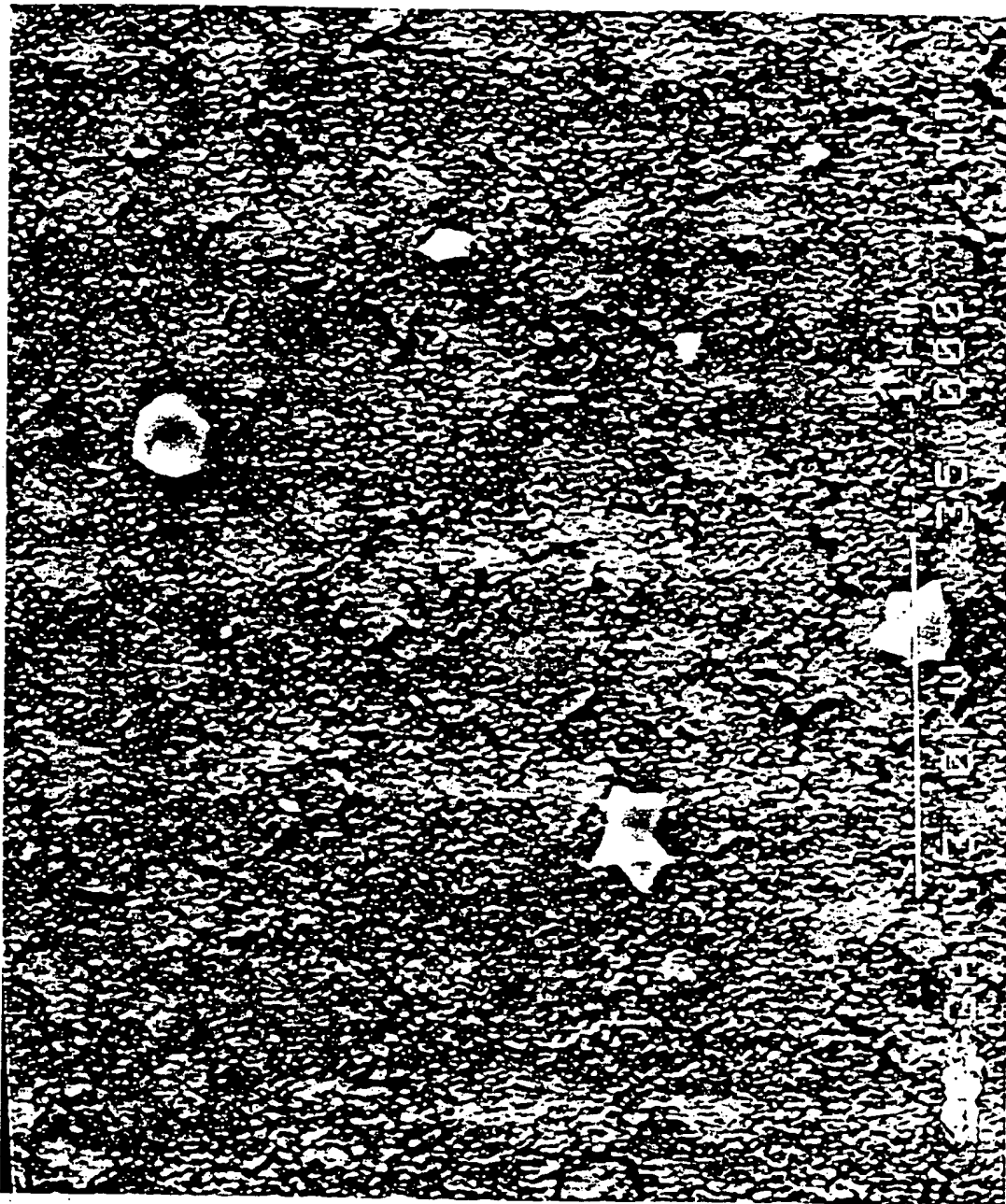


FIGURE 9

TOPZT " 6968888

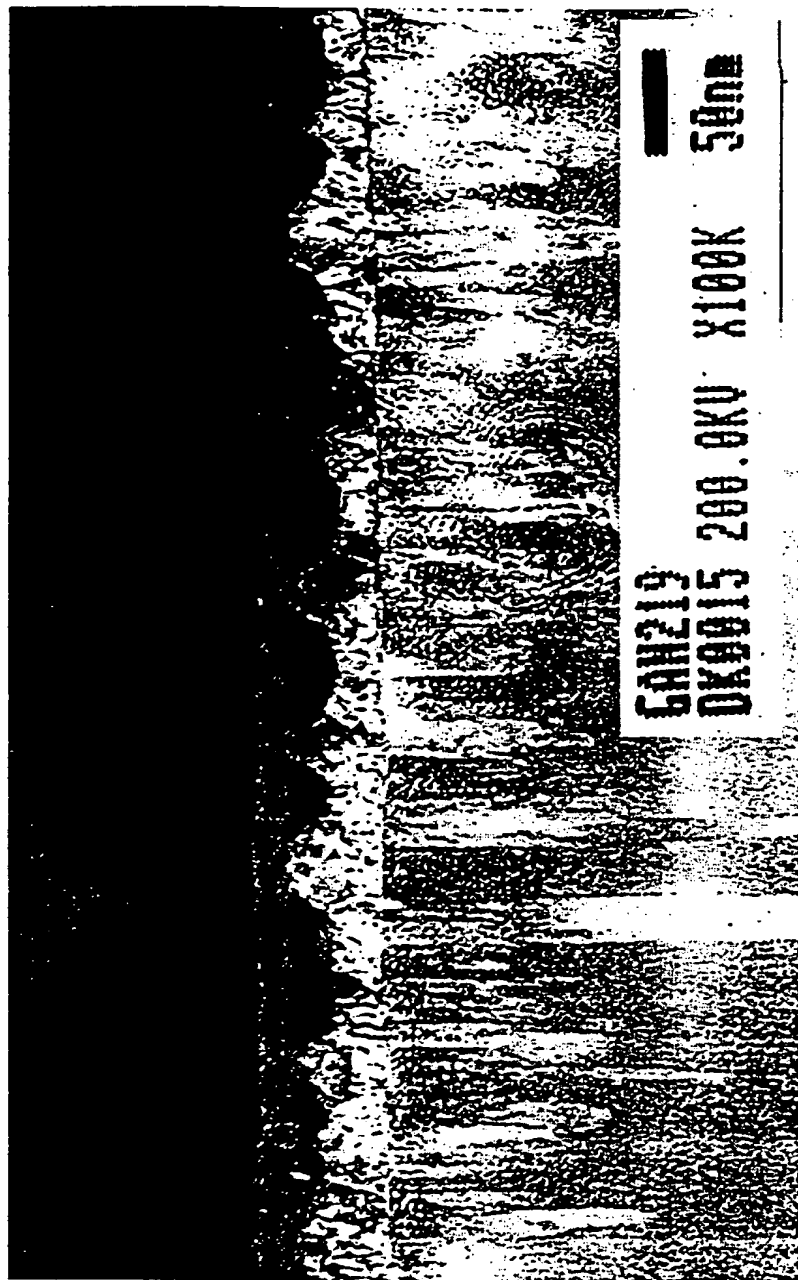


FIGURE 10

A large, dark, circular fingerprint impression, likely a latent print, centered on a white background. The impression shows concentric ridges and valleys, characteristic of a fingerprint. There are several small, dark, circular marks scattered around the main impression, possibly other prints or artifacts.

FIGURE 11

CM219

200.0KV 83.8cm

FIGURE 12

GAH219
NYA011 200 000 83 000

FIGURE 13

64H219
 000000 200 0XII X250K 2800

FIGURE 14

100nm

GDAT280C-HP-113

700277 00000000



FIGURE 16

GaN from GDA,600C

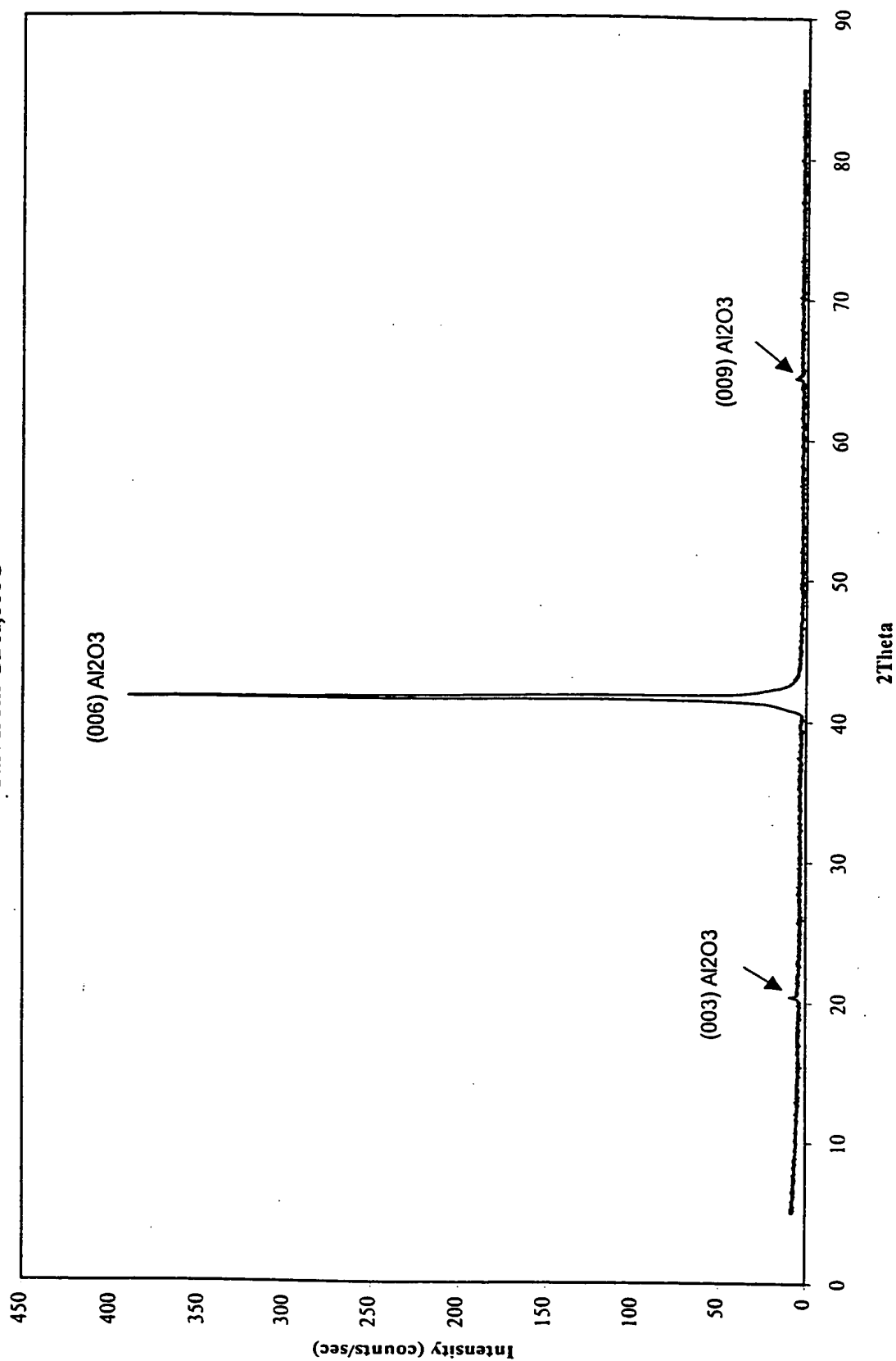


FIGURE 17A

GaN from GDA, 800C

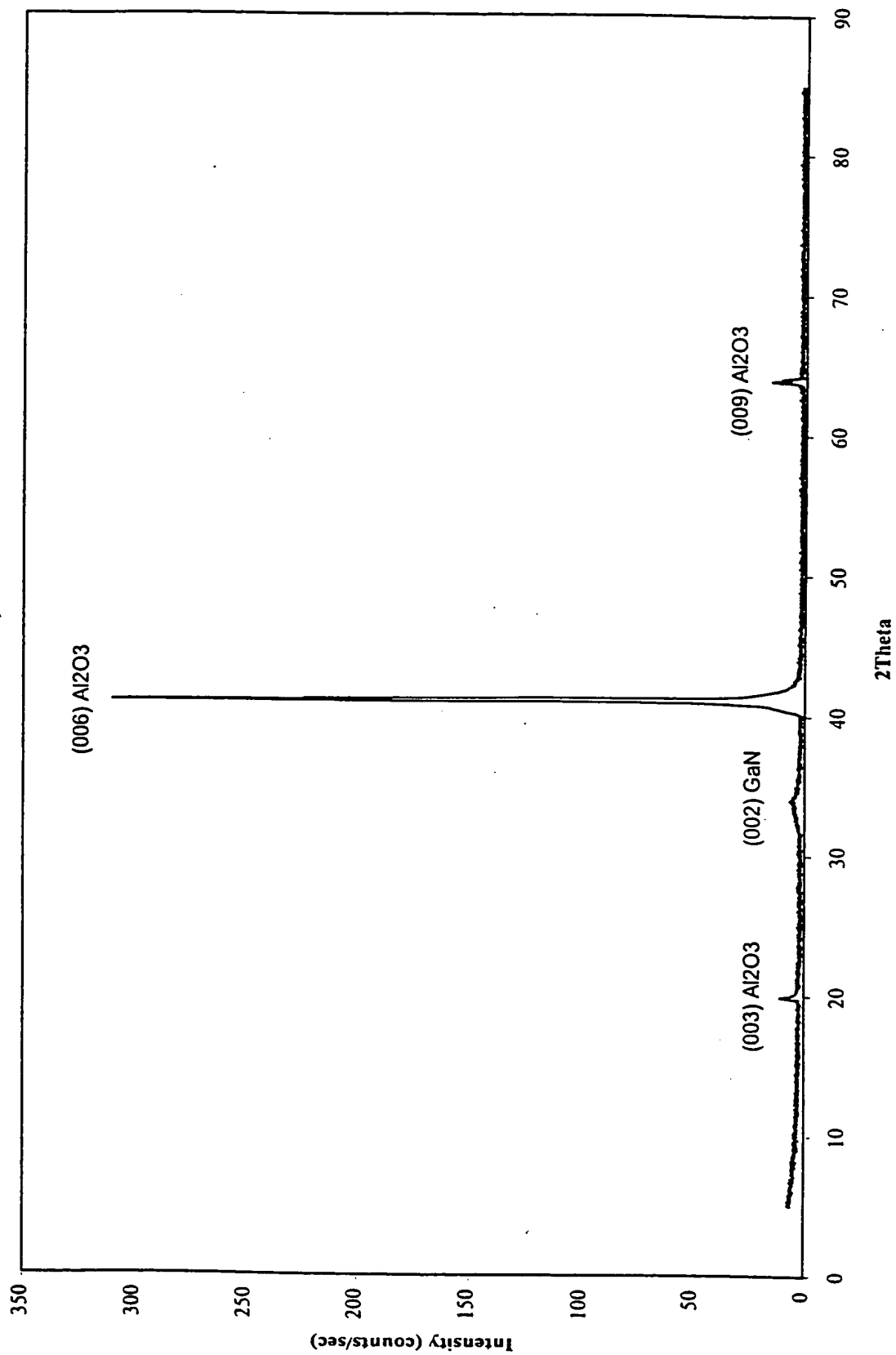


FIGURE 17B

Figure 17C

GaN from GDA, 900C

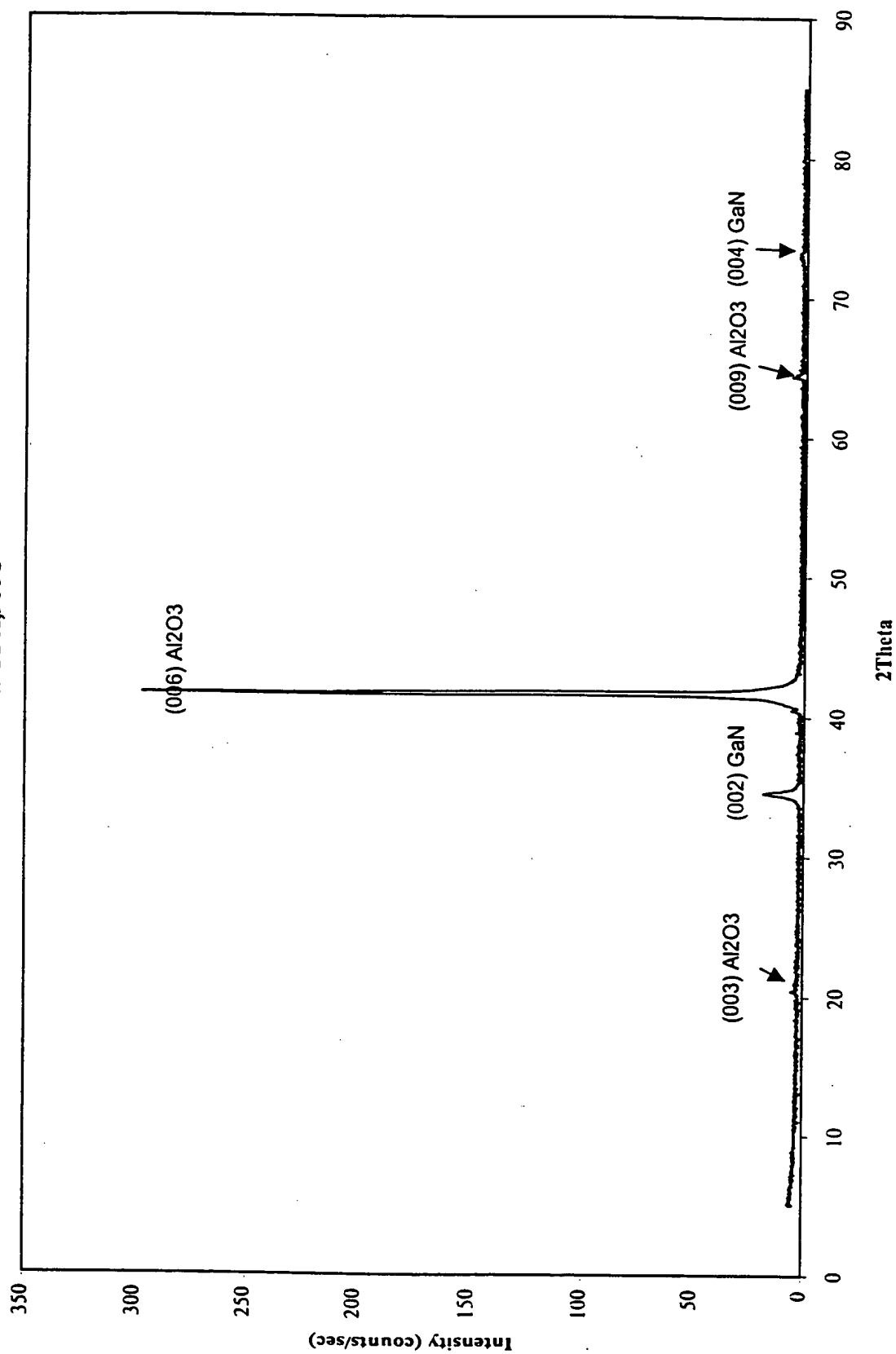


FIGURE 17C

GaN from GDA, 1000C

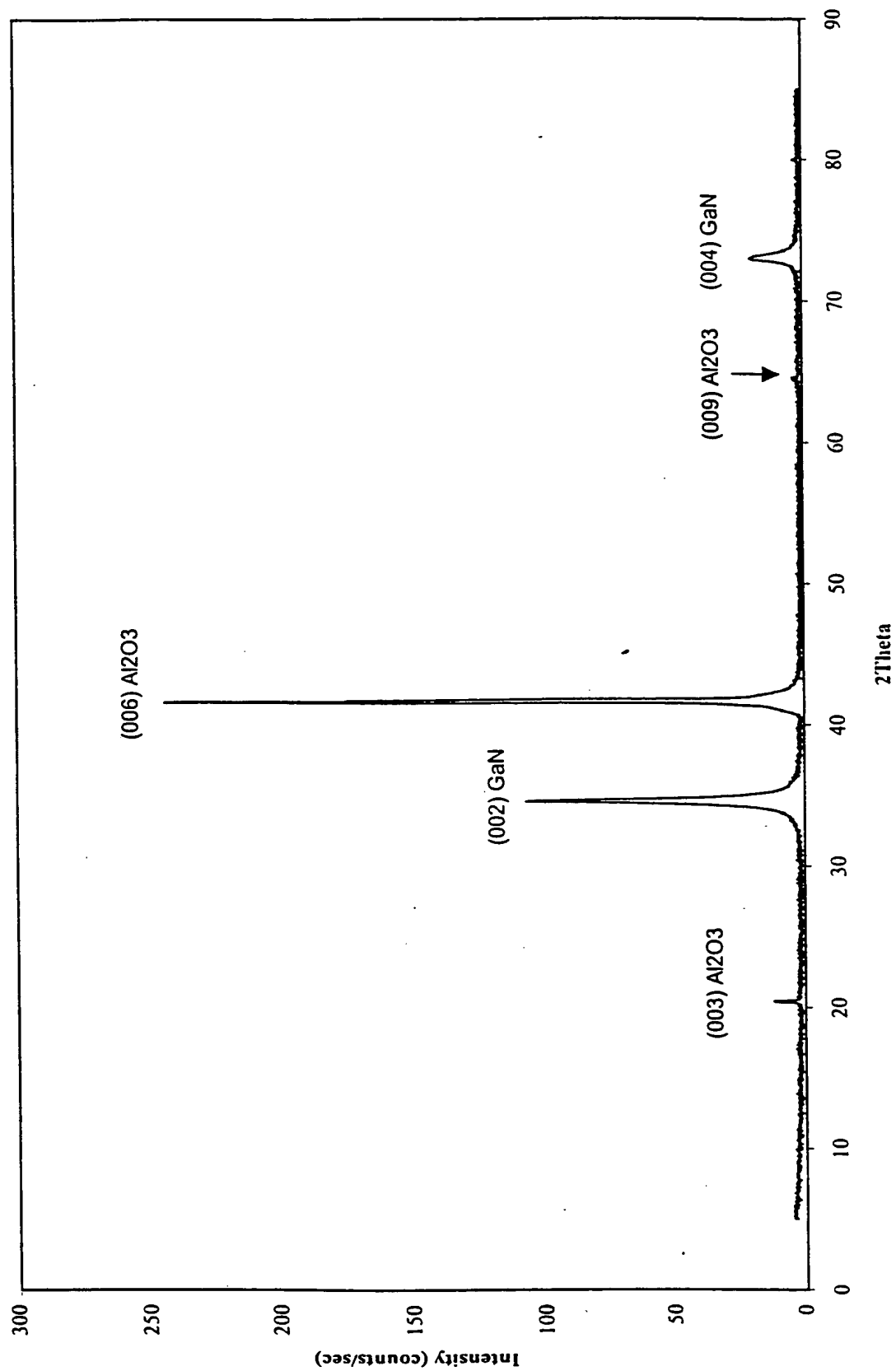


FIGURE 17D

GaN Powder from Ga₂O₃ in Ammonia

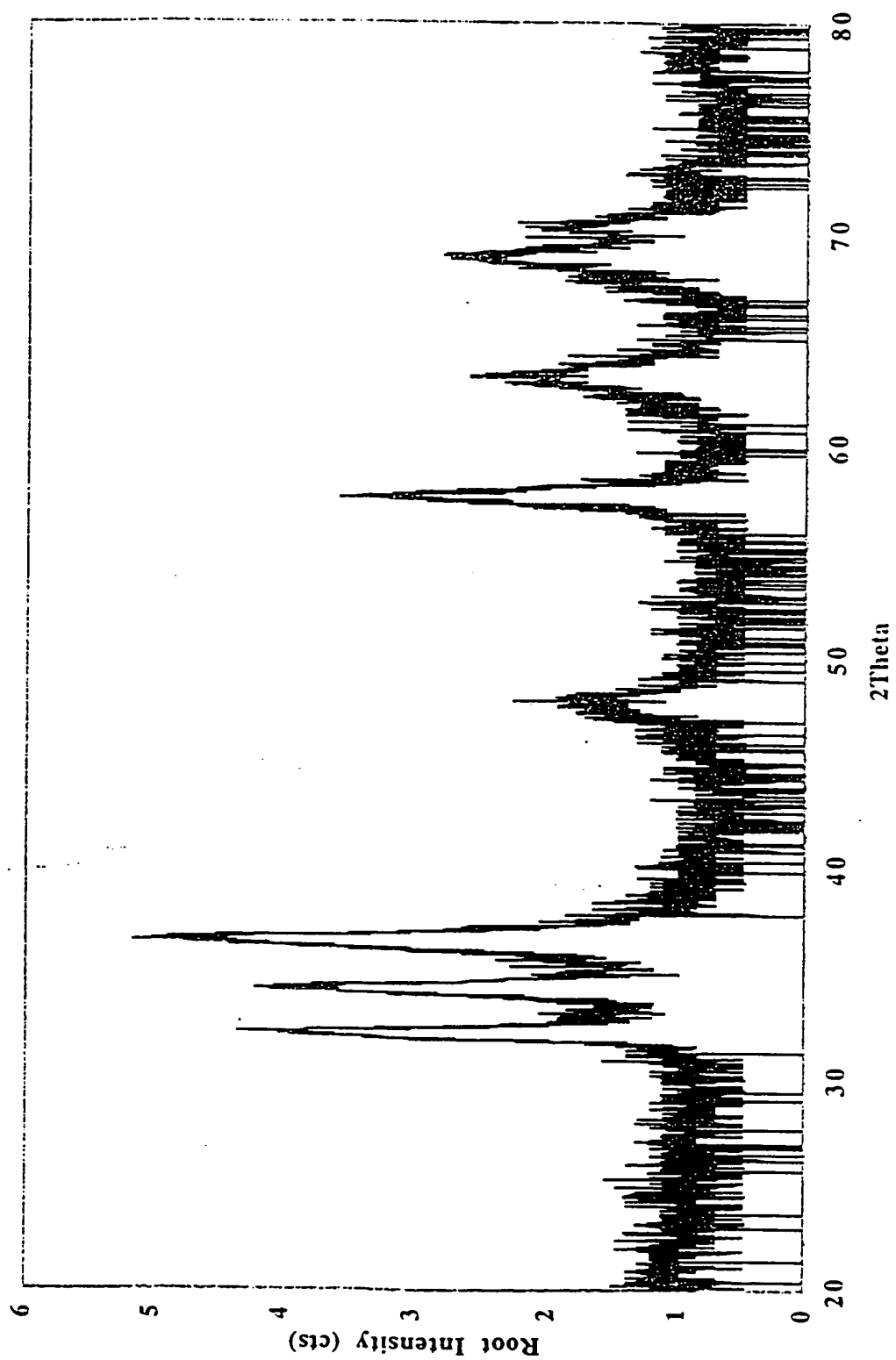


FIGURE 18

GaN Film from GNO Precursor (1 coat)

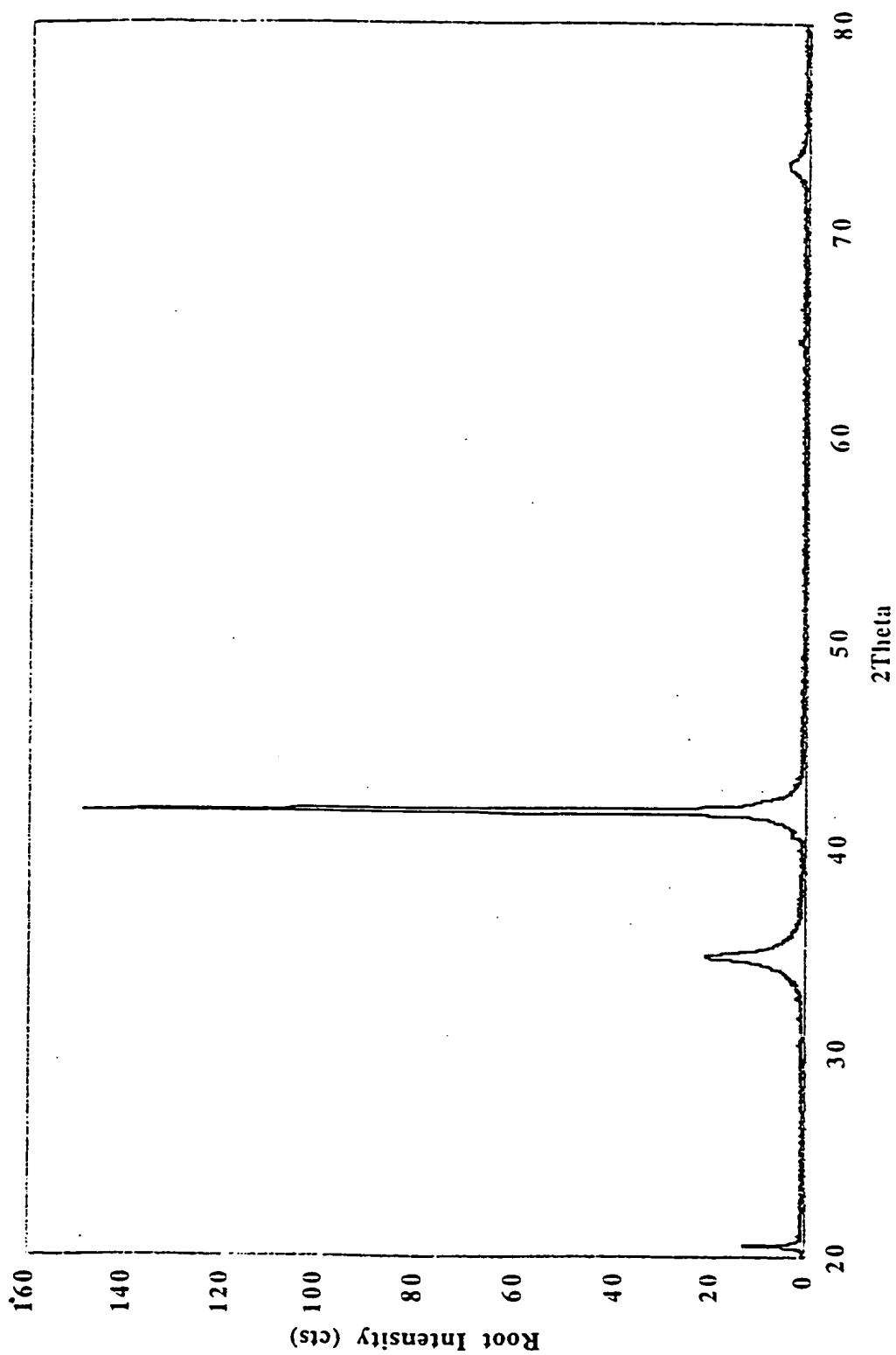


FIGURE 19A

GaN Film from GIP Precursor

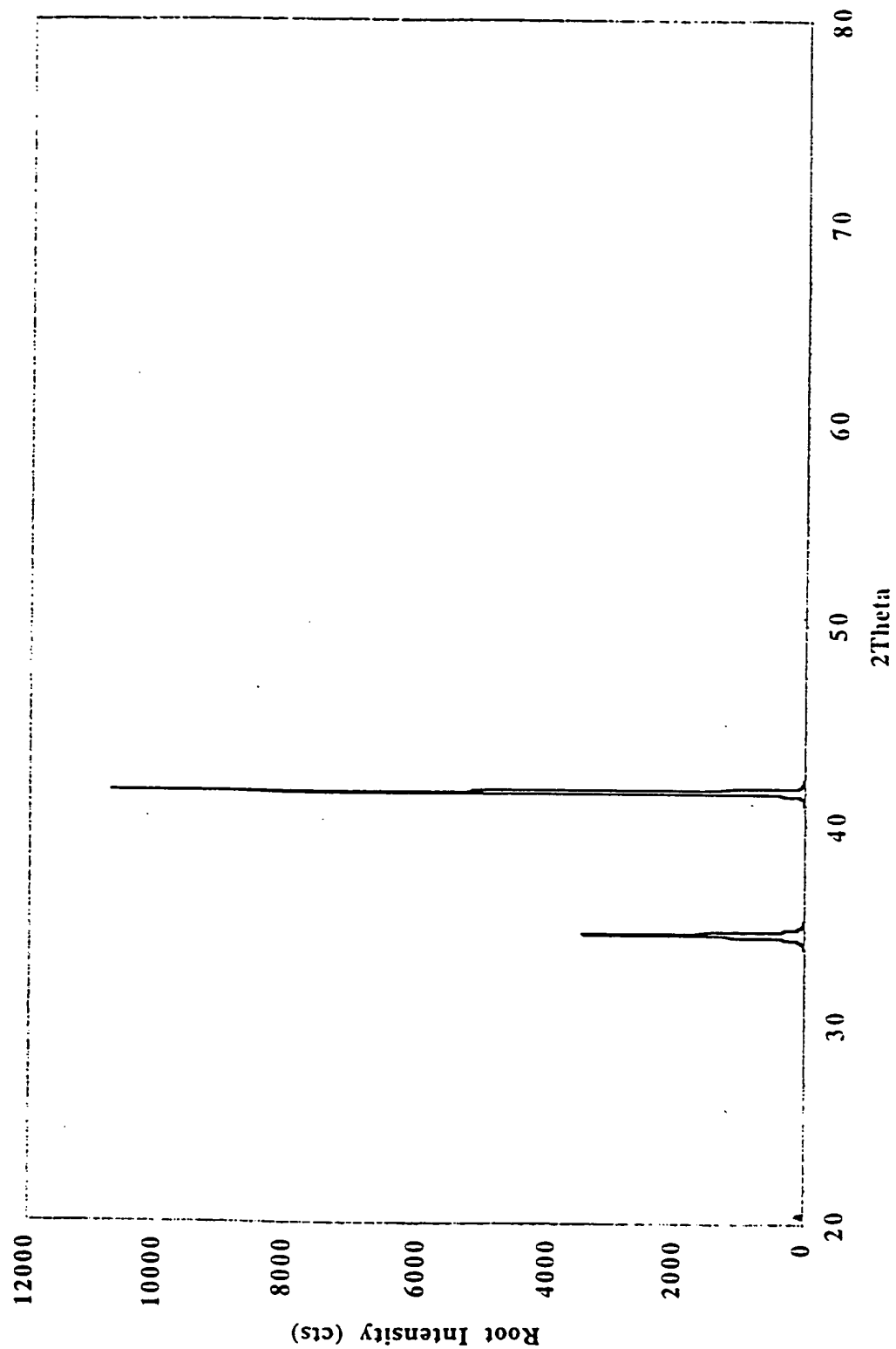


FIGURE 19B

Off Axis Phi Scan of Gan Film from GIP Precursor

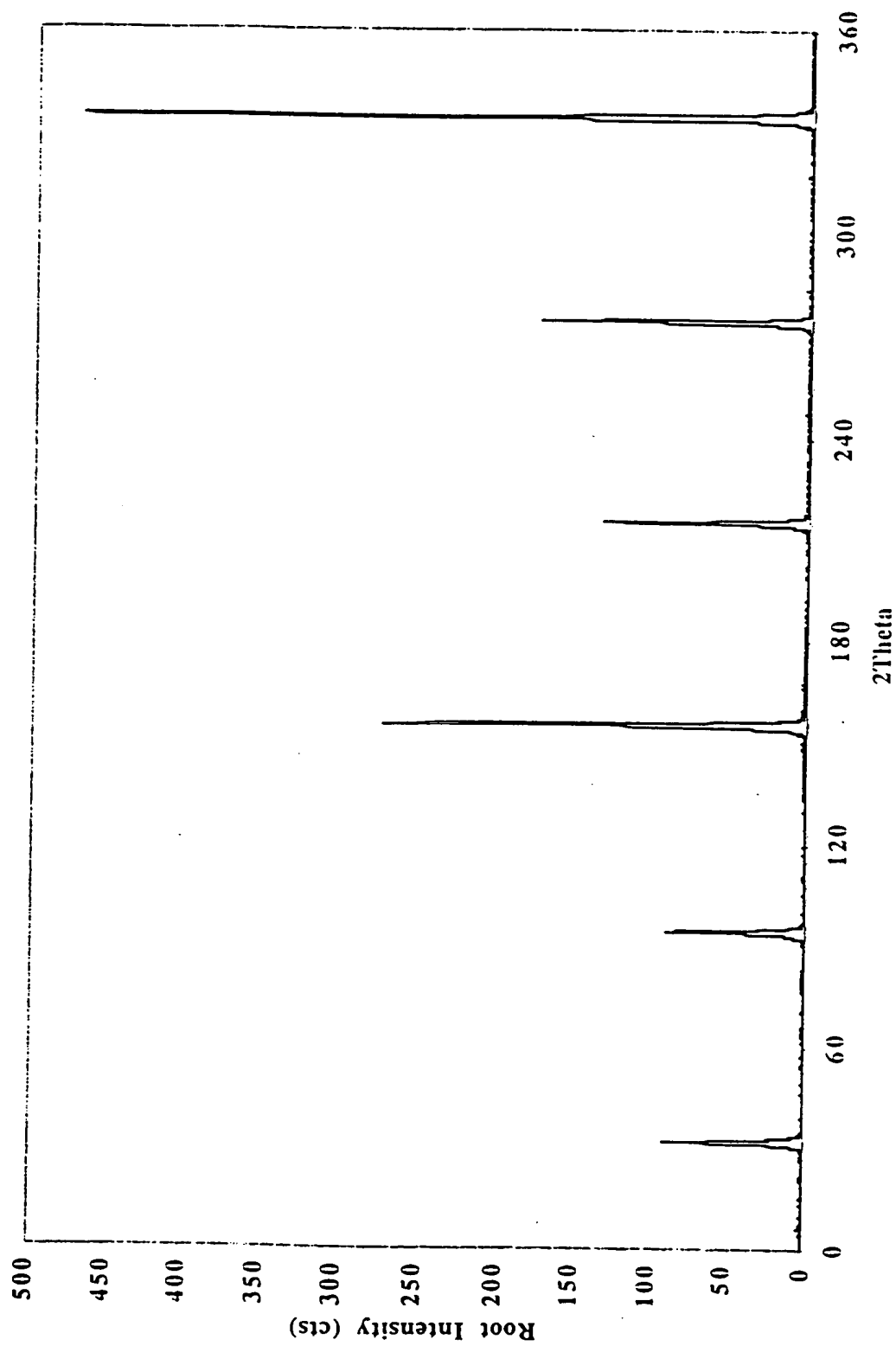


FIGURE 20

TOP LEFT: 00000000

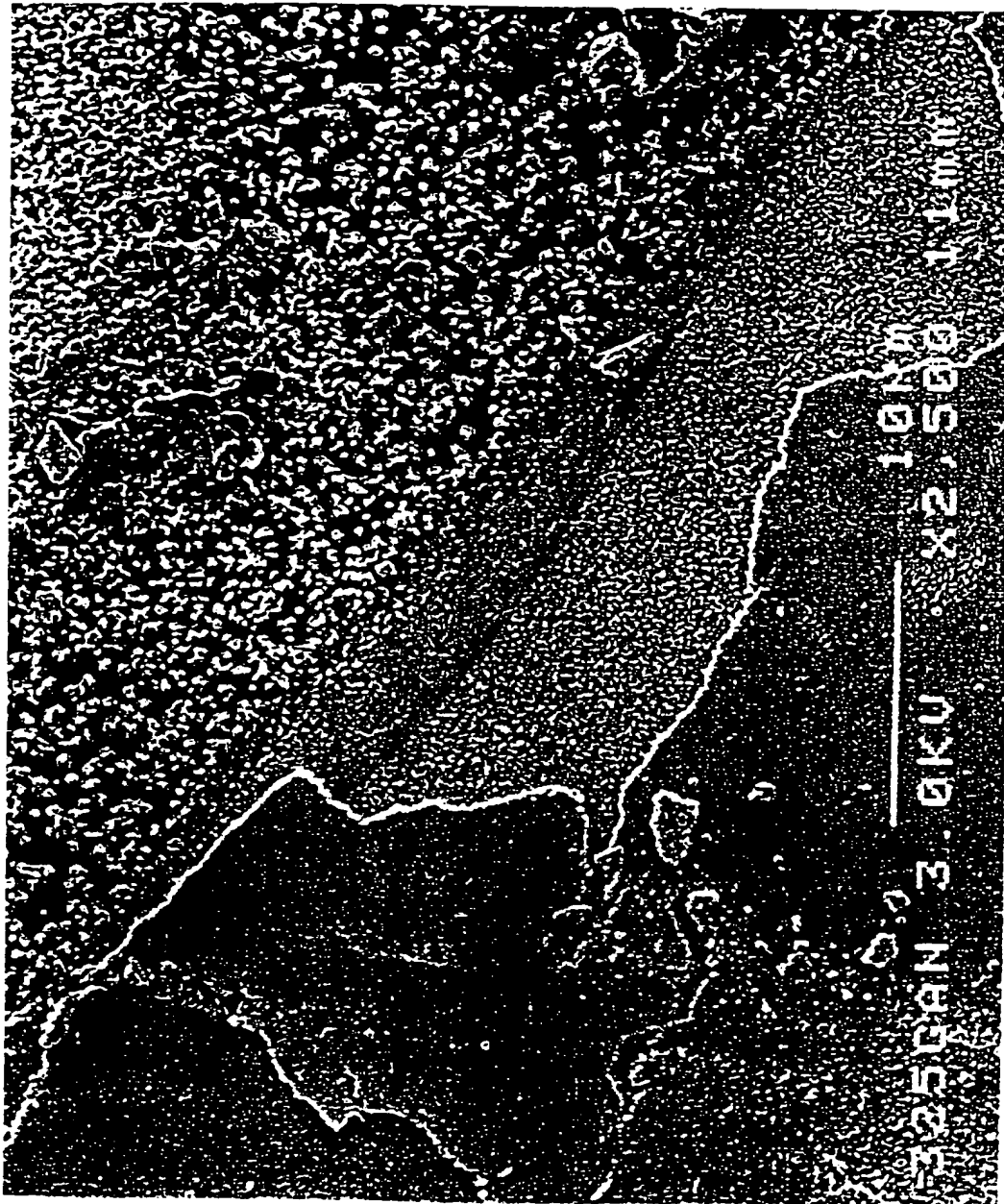


FIGURE 21

TOP LEFT 60000000

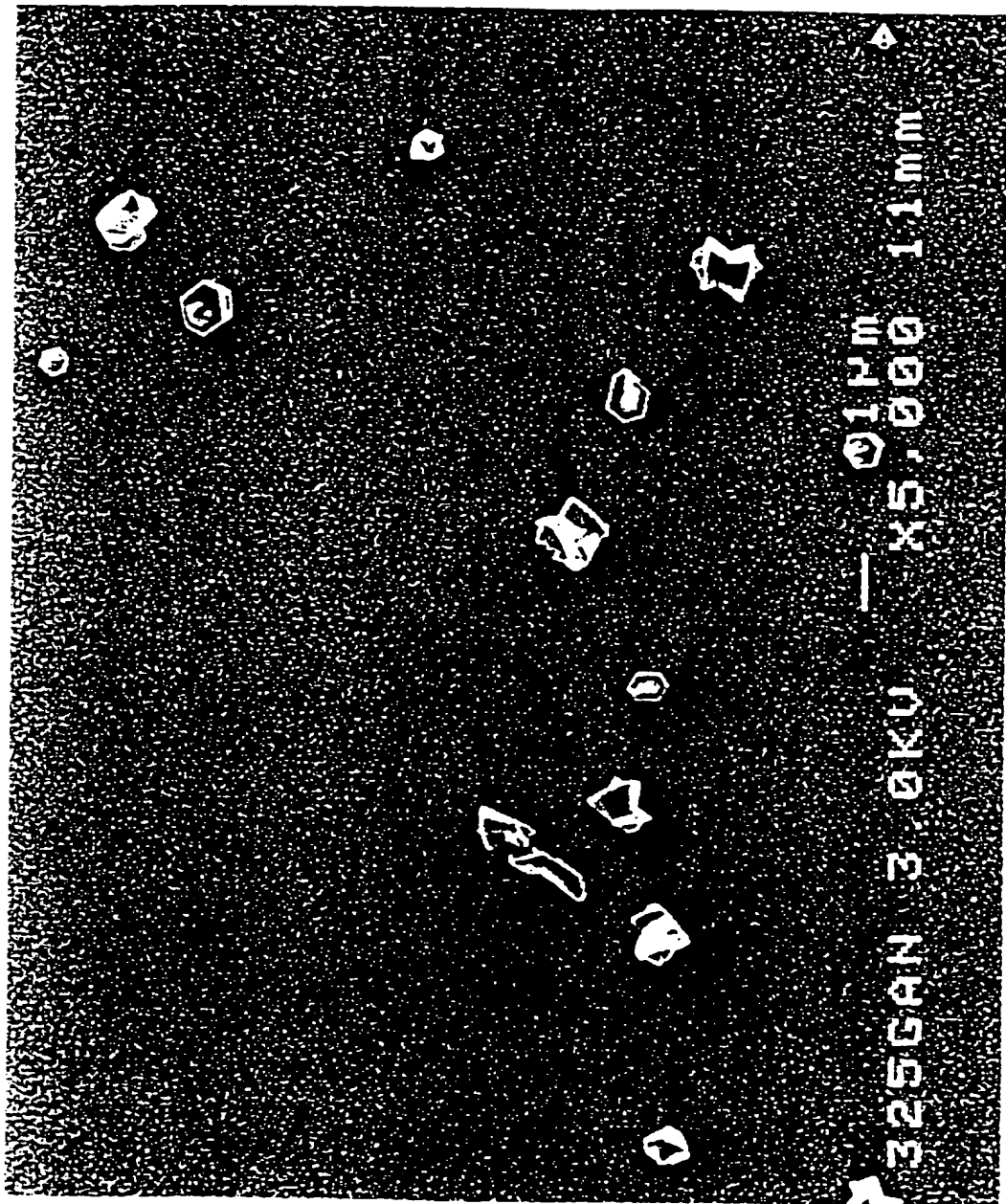


FIGURE 22

3256AH 3.0KV -100nm X40,000 1um

FIGURE 23

FOOT " 00000000

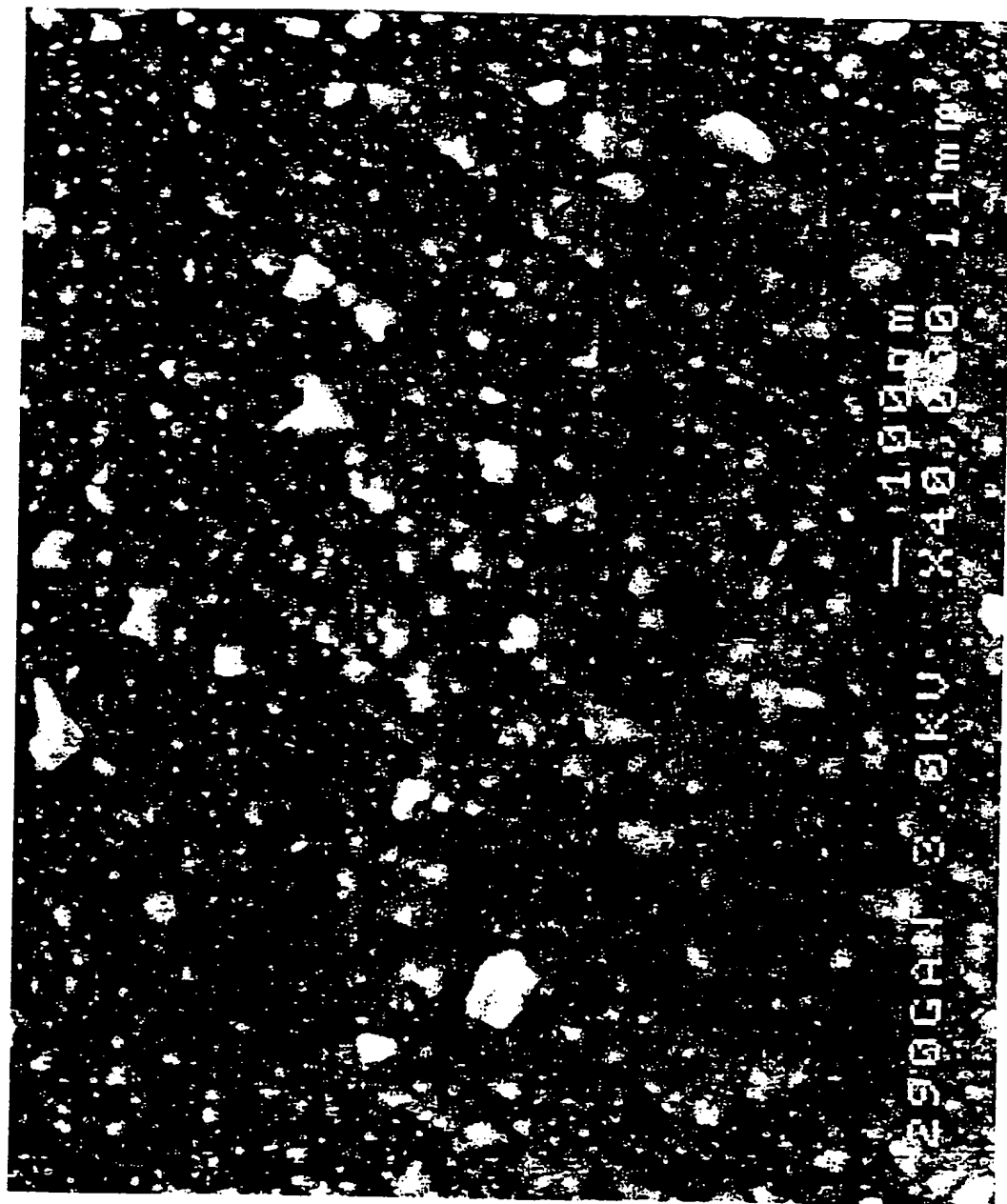


FIGURE 24

TOP SECRET

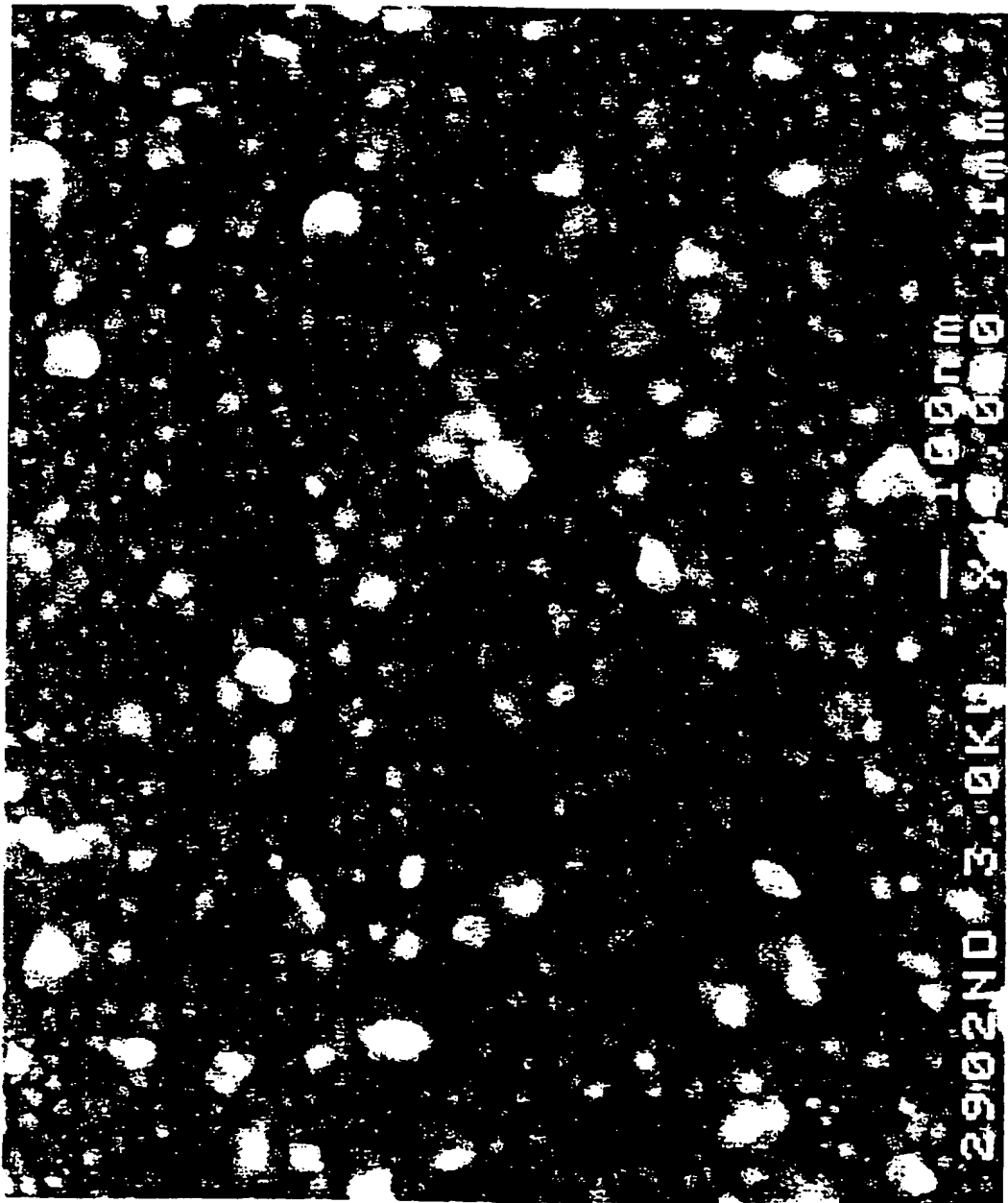


FIGURE 25

GaN Film from GNO Precursor (2 coats)

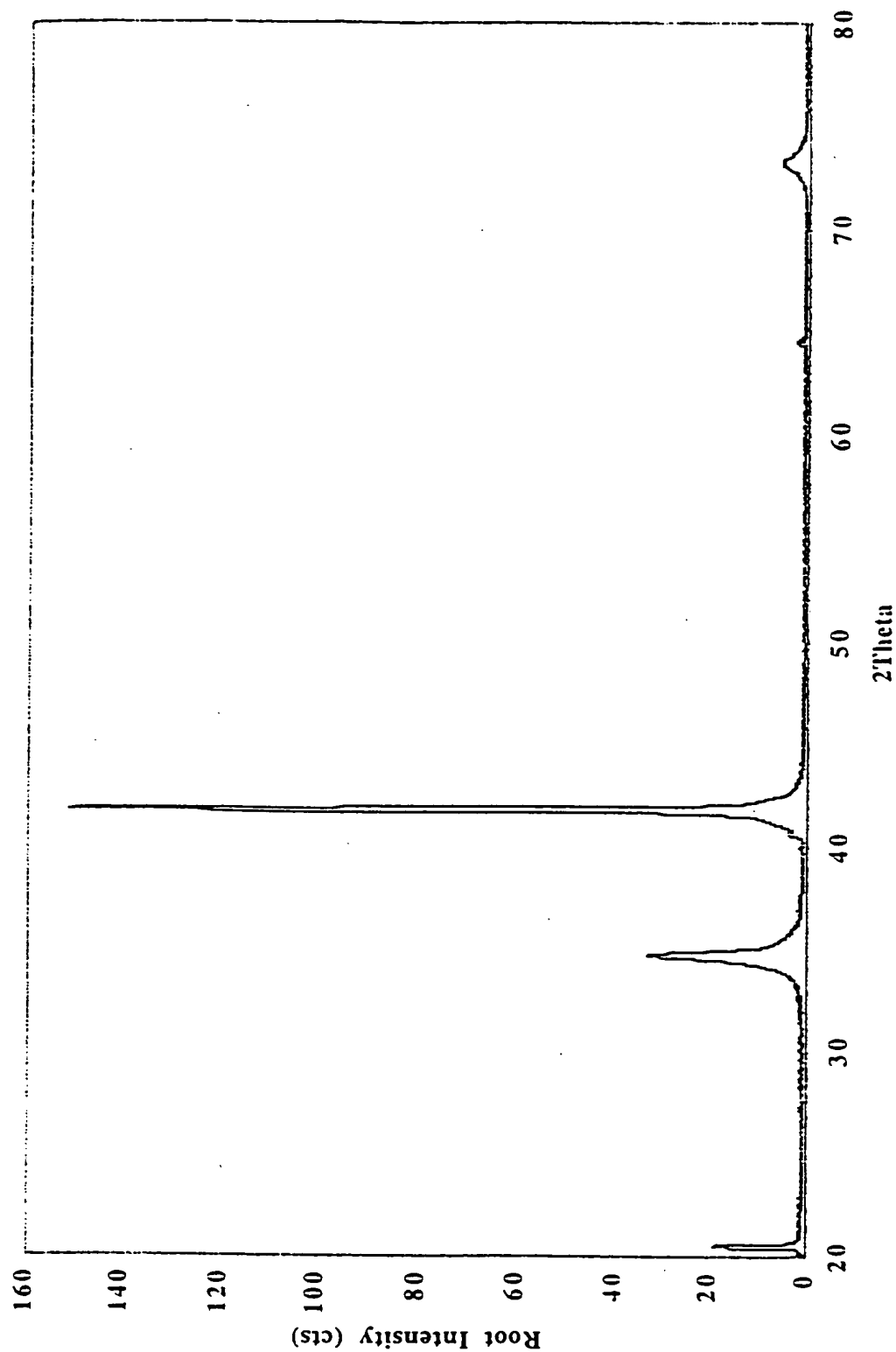
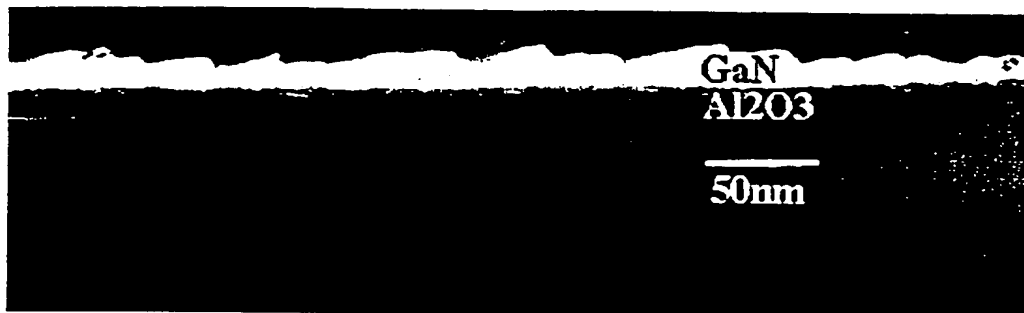


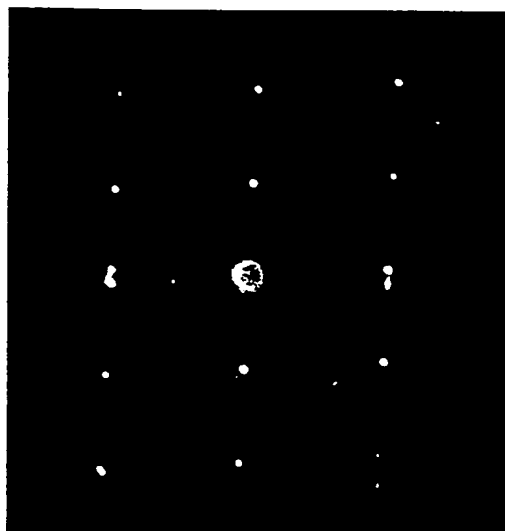
FIGURE 26



(a)



(b)



(c)

FIGURE 27

GaN290 77K

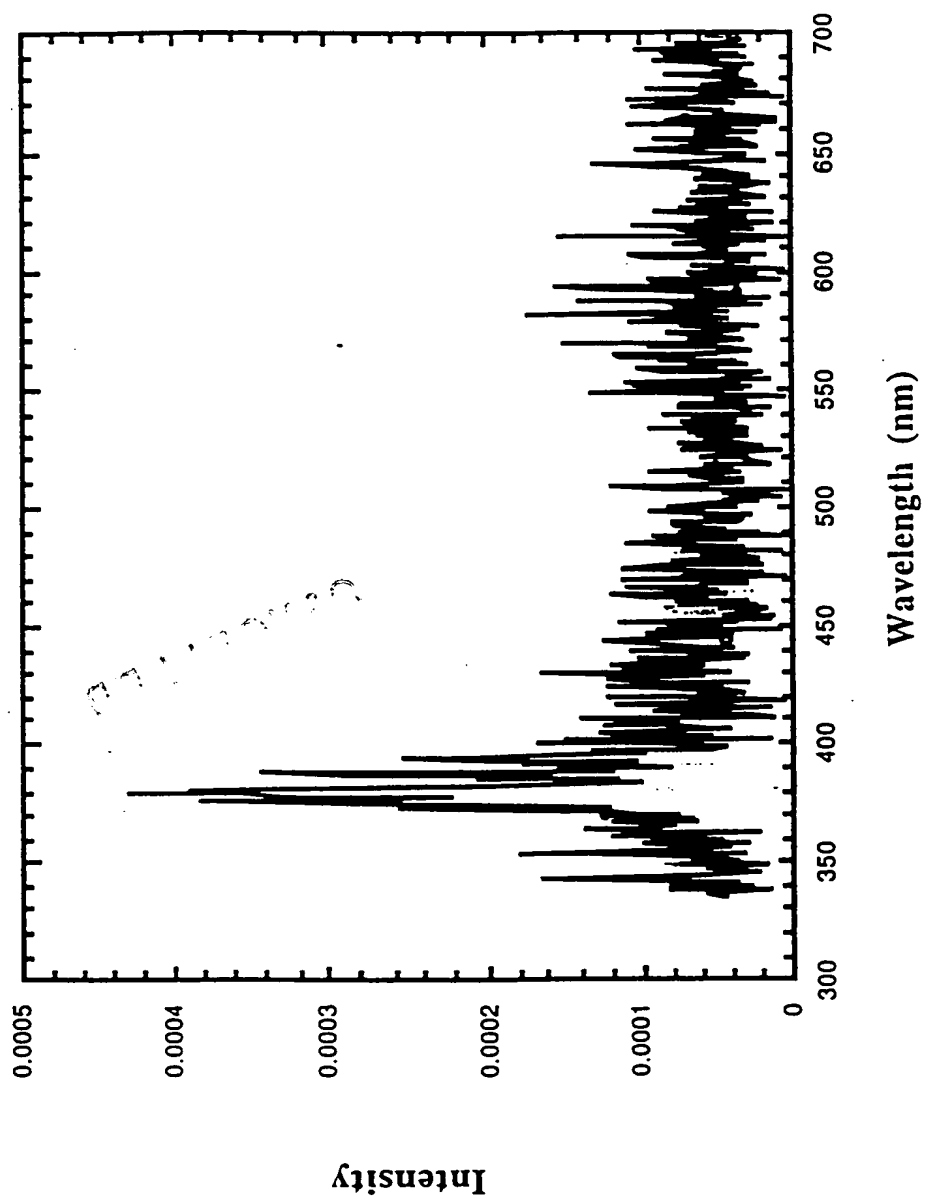


FIGURE 28